WHAT IS CLAIMED IS:

1	1. A method of shielding and grounding a cable, the method comprising:
2	providing conductive leads encapsulated within a dielectric layer;
3	applying a metallized layer around the dielectric layer; and
4	coupling a metallized thermoform connector to the metallized layer, wherein
5	the metallized thermoform can be electrically coupled to a grounded housing.
1	2. The method of claim 1 further comprising covering the metallized
2	layer with an insulating layer, wherein a portion of the metallized layer is exposed through
3	the insulating layer so as to allow the metallized thermoform connector to electrically contact
4	the metallized layer.
1	3. The method of claim 1 wherein applying comprises thermally
2	vaporizing the metallized layer onto the dielectric.
1	4. The method of claim 3 wherein thermally vaporizing comprises
2	depositing the metallized layer having a thickness between approximately one-tenth micron
3	and twelve microns.
1	5. The method of claim 1 further comprising contacting at least one of the
2	conductive leads with the metallized layer.
1	6. The method of claim 1 wherein the metallized thermoform can be
2	removably attached over a connector pin assembly that attaches the conductive leads to the
3	housing.
1	7. The method of claim 1 wherein the metallized thermoform is
2	metallized on at least one of an inside surface and an outside surface.
1	8. The method of claim 1 wherein coupling comprises snap fitting or
2	interference fitting the metallized thermoform over the metallized layer.
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1	9. The method of claim 1 wherein the metallized thermoform comprises
2	bumps to create contact between metallized layer and the thermoform.

1	10. The method of claim 9 wherein the bumps are spaced no farther than			
2	one half a wavelength of the EMI radiation and have a height of no larger than one half a			
3	wavelength of the EMI radiation.			
1	11. A shielded cable comprising:			
2	a cable body comprising electrical conductors disposed within an insulating			
3	substrate;			
4	a vacuum metallized shielding layer disposed over the insulating substrate,			
5	and and			
6	a metallized thermoform connector coupled to an end portion of the cable			
7	body and electrically coupled to the vacuum metallized layer, wherein the connector can be			
8	electrically coupled to a grounded housing so as to ground the shielding layer and connector.			
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1	12. The cable of claim 11 further comprising an insulating top coating			
2	disposed over the vacuum metallized layer to insulate the vacuum metallized layer.			
1	13. The cable of claim 12 wherein the insulating top layer extends to a			
2 .	point short of the connector such that the connector is electrically coupled to the metallized			
3	layer.			
1	14. The cable of claim 11 wherein the vacuum metallized laver has a			
2	14. The cable of claim 11 wherein the vacuum metallized layer has a thickness between approximately one-half micron to twelve microns.			
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l	15. The cable of claim 11 wherein the metallized thermoform is coupled to	O		
2	an outsize surface of a nonconductive connector.			
1	16. The cable of claim 11 wherein the connector further comprises spaced			
2	protrusions, wherein the connector is electrically coupled to the metallized layer with the			
3	spaced protrusions.			
1	17. The cable of claim 16 wherein the spaced protrusions have a height			
2	and spacing between an adjacent protrusion that is no larger than one-half a wavelength of a			
3	released radiation.			
1	18. A method of shielding a cable from EMI and RFI radiation, the metho	d		
2	comprising:			

_	ı	providi	ing conductive leads disposed within a dielectric,		
4	t	therma	lly vaporizing a metallized layer around the dielectric; and		
5	1	ground	ling the metallized layer to a grounded housing.		
1		19.	The method of claim 18 wherein grounding comprises electrically		
2					
	coupling the metallized layer to the grounded housing with a metallized thermoform				
3	connection asse	moiy.			
1	2	20.	The method of claim 18 wherein thermally vaporizing comprises		
2	maintaining the temperature of the dielectric below approximately 150°F.				
1	2	21.	The method of claim 18 wherein thermal vaporizing comprises		
2	creating a substantial uniform metallized layer on the dielectric.				
1		22.	A shielded cable comprising:		
2		a condi	uctive lead encapsulated within a dielectric;		
3	a polymer layer surrounding the dielectric;				
4	a metallized layer surrounding the polymer layer; and				
5			ative coating disposed around the metallized layer.		
1		23.	The shielded cable of claim 22 wherein the metallized layer is		
2.	thermally evapo	orated	over the polymer layer so as to create a substantially uniform thickness.		
1	· · · · · · · · · · · · · · · · · · ·	24.	The shielded cable of claim 22 further comprising a base coating		
2	disposed betwe	en the	metallized layer and the polymer layer, wherein the base coating		
3	improves adherence of the metallized layer to the polymer layer.				
1		25.	The shielded cable of claim 22 wherein the polymer layer comprises a		
2	thermoformable	e mater	rial.		
1		26.	The shielded cable of claim 22 further comprising an electrically		
2	conductive connector that is electrically coupled to the metallized layer, wherein the				
3 :					
1	2	27.	The shielded cable of claim 27 wherein the electrically conductive		
2	connector com-	rices o	motallized there a form		

1	28. The shielded cable of claim 27 wherein the metallized thermoform				
2	comprises a first body and a second body.				
1	29. A method of shielding a cable, the method comprising:				
2	providing a conductive lead disposed within a dielectric;				
3	encapsulating the dielectric with a polymer coating;				
4	coupling a metallized layer around the polymer coating; and				
5	insulating the metallized layer.				
1	30. The method of claim 29 wherein coupling comprises applying a base				
2	coating to the polymer to increase adhesion of the metallized layer.				
1	31. The method of claim 29 wherein coupling comprises thermally vaporizing the metallized layer onto the dielectric.				
1 2	32. The method of claim 29 further comprising grounding the metallized layer to a ground with a metallized thermoform.				
1	33. A cable shield for shielding a cable body, the shield comprising:				
2	a thermoform body comprising an inner surface and outer surface, the				
3	thermoform body sized and shaped to surround the cable; and				
4	a metal layer disposed along one of the inner surface and outer surface.				
1	34. The cable shield of claim 33 further wherein the thermoform body				
2	comprises a first body and a second body.				
1	35. The cable shield of claim 34 wherein the first body and second body				
2	are coupled together with a clamp.				
l	36. The cable shield of claim 33 wherein the thermoform body comprise				
2	at least one of ribs, cutouts, and corrugation to facilitate flexing of the thermoform body.				
l	37. The cable shield of claim 33 wherein the metallized layer is disposed				
2	along the outer surface of the thermoform body, the shield further comprising an insulating				
3	layer disposed over the metal layer.				

l	38. The cable shield of claim 33 wherein the metallized thermoform			
2	comprises an integral connector at an end of the thermoform body, wherein the integral			
3	connector can shield a connector pin assembly of the cable.			
i	39. A method of shielding a cable, the method comprising:			
2	providing a cable body having a body and at least one connector pin assembly			
3	placing a metallized thermoform around the cable body and connector pin			
4	assembly;			
5	grounding the metallized thermoform.			
1	40. The method of claim 39 wherein placing comprises snap fitting the			
2	metallized thermoform around the cable body			